WHAT IS CLAIMED IS:

1	1.	An isolated polynucleotide encoding a protein less than about 300
2	amino acids compris	ing a sequence selected from the group consisting of:
3	(a)	sequence provided in SEQ ID NO:3;
4	(b)	complements of the sequence provided in SEQ ID NO:3;
5	(c)	sequences having at least 90% identity to a sequence of SEQ ID NO:
6		3; and
7	(d)	degenerate variants of a sequence provided in SEQ ID NO:3.
1	2.	An isolated polypeptide comprising an amino acid sequence selected
2	from the group consi	
3	(a)	sequences encoded by a polynucleotide of claim 1; and
4	(b)	sequences having at least 90% identity to a sequence encoded by a
₫ 5		polynucleotide of claim 1; and
= 6	(c)	sequences provided in SEQ ID NOs:16-20; and
4 5 6 7 8	(d)	sequences provided in SEQ ID NOs:21-840; and
U 8	(e)	sequences provided in SEQ ID NOs:841-861.
	3.	An expression vector comprising a polynucleotide of claim 1 operably
= 2	linked to an express	ion control sequence.
1 2 2 1	4.	A host cell transformed or transfected with an expression vector
*		
2	according to claim 3	.
1	5.	An isolated antibody, or antigen-binding fragment thereof, that
2	specifically binds to	a polypeptide of claim 2.
1	6.	A method for detecting the presence of a cancer in a patient,
2	comprising the steps	s of:
3	(a)	obtaining a biological sample from the patient;
4	(b)	contacting the biological sample with a binding agent that binds to a
5	. ,	polypeptide of claim 2;
6	(c)	detecting in the sample an amount of polypeptide that binds to the
7		binding agent; and

8	(d)	comparing the amount of polypeptide to a predetermined cut-off value
9		and therefrom determining the presence of a cancer in the patient.
1 2	7. claim 2.	A fusion protein comprising at least one polypeptide according to
2	VIIII 2.	
1	8.	An oligonucleotide that hybridizes to nucleotides 1-630 of the
2	sequence recited in	SEQ ID NO:3 under moderately stringent conditions.
	_	the state of the s
1	9.	A method for stimulating and/or expanding T cells specific for a tumor
2	protein, comprising	contacting T cells with at least one component selected from the group
3	consisting of:	
4	(a)	polypeptides according to claim 2;
<u> </u>	(b)	polynucleotides according to claim 1; and
= 6	(c)	antigen-presenting cells that express a polypeptide according to claim
= 7		1,
□ m 8	under conditions and for a time sufficient to permit the stimulation and/or expansion of T	
H 5 6 7 8 9 9	cells.	
E 1	10.	An isolated T cell population, comprising T cells prepared according to
는 급 2	the method of clair	m 9.
	11.	A composition comprising a first component selected from the group
2	consisting of phys	iologically acceptable carriers and immunostimulants, and a second
3	component selecte	ed from the group consisting of:
4		polypeptides according to claim 2;
5	(b)	polynucleotides according to claim 1;
6	(c)	antibodies according to claim 5;
7	(d)	fusion proteins according to claim 7;
8	(e)	the state of the s
9	` '	g cells that express a polypeptide according to claim 2.
	arranders breezesses	
1	12	
2	administering to t	he patient a composition of claim 11.

1	13.	A method for the treatment of a cancer in a patient, comprising
2	administering to the p	atient a composition of claim 11.
1	14.	A method for determining the presence of a cancer in a patient,
2	comprising the steps	
3	(a)	obtaining a biological sample from the patient;
4	(b)	contacting the biological sample with an oligonucleotide according to
5		claim 8;
6	(c)	detecting in the sample an amount of a polynucleotide that hybridizes
7		to the oligonucleotide; and
8	(d)	comparing the amount of polynucleotide that hybridizes to the
9		oligonucleotide to a predetermined cut-off value, and therefrom
<u></u> 10		determining the presence of the cancer in the patient.
	15.	A diagnostic kit comprising at least one oligonucleotide according to
날 2	claim 8.	•
Till	16.	A diagnostic kit comprising at least one antibody according to claim 5
<u> </u>	and a detection reage	ent, wherein the detection reagent comprises a reporter group.
1 2 3	17.	A method for inhibiting the development of a cancer in a patient,
<u>□</u> 2	comprising the steps	of:
3	(a)	incubating CD4+ and/or CD8+ T cells isolated from a patient with at
4		least one component selected from the group consisting of: (i)
5		polypeptides according to claim 2; (ii) polynucleotides according to
6	•	claim 1; and (iii) antigen presenting cells that express a polypeptide of
7		claim 2, such that T cell proliferate;
8	(b)	administering to the patient an effective amount of the proliferated T
9		cells,
10	and thereby inhibiting	ng the development of a cancer in the patient.
1	18.	An isolated polynucleotide encoding a protein of less than 300 amino
2	acids comprising a	sequence selected from the group consisting of:
3	(a)	sequence provided in SEQ ID NO:6;
4	(b)	complements of the sequences provided in SEQ ID NO:6;

5	(c)	sequences having at least 90% identity to a sequence of SEQ ID NO:
6		6; and
7	(d)	degenerate variants of a sequence provided in SEQ ID NO:6.
1	19.	An isolated polypeptide comprising an amino acid sequence selected
2	from the group con	
3	(a)	sequences encoded by a polynucleotide of claim 18; and
4	(b)	sequences having at least 90% identity to a sequence encoded by a
5		polynucleotide of claim 18; and
6	(c)	the sequence provided in SEQ ID NO:869.
1	20.	An expression vector comprising a polynucleotide of claim 18
2	operably linked to	an expression control sequence.
	21.	A host cell transformed or transfected with an expression vector
\mathbb{Z}_2	according to claim	20.
	22.	An isolated antibody, or antigen-binding fragment thereof, that
可 元2	specifically binds t	to a polypeptide of claim 19.
	23.	A method for detecting the presence of a cancer in a patient,
2	comprising the ste	ps of:
3	(a)	obtaining a biological sample from the patient;
4	(b)	contacting the biological sample with a binding agent that binds to a
5		polypeptide of claim 19;
6	(c)	detecting in the sample an amount of polypeptide that binds to the
7		binding agent; and
8	(d)	
9		and therefrom determining the presence of a cancer in the patient.
1	24.	A fusion protein comprising at least one polypeptide according to
2	claim 19.	
1	25	
2	protein, comprisin	ng contacting T cells with at least one component selected from the group
3	consisting of:	

4	(a)	polypeptides according to claim 19;
5	(b)	polynucleotides according to claim 18; and
6	(c)	antigen-presenting cells that express a polypeptide encoded by a
7		polynucleotide according to claim 18,
8	under conditions and	d for a time sufficient to permit the stimulation and/or expansion of T
9	cells.	
		T colla propored according to
1	26.	An isolated T cell population, comprising T cells prepared according to
2	the method of claim	1 26.
1	27.	A composition comprising a first component selected from the group
2	consisting of physic	ologically acceptable carriers and immunostimulants, and a second
3		from the group consisting of:
4	(a)	polypeptides according to claim 19;
<u> </u>	(b)	polynucleotides according to claim 18;
6	(c)	antibodies according to claim 22;
<u> </u>	(d)	fusion proteins according to claim 24;
4 5 6 7	(e)	T cell populations according to claim 27; and
	antigen presenting	cells that express a polypeptide according to claim 19.
i 1	28.	A method for stimulating an immune response in a patient, comprising
	administering to th	e patient a composition of claim 28.
1	29.	A method for the treatment of a cancer in a patient, comprising
2	administering to th	e patient a composition of claim 28.
1	30.	A diagnostic kit comprising at least one oligonucleotide according to
2	claim 25.	
1	31.	
2	and a detection rea	agent, wherein the detection reagent comprises a reporter group.
1	32.	A method for inhibiting the development of a cancer in a patient,
2	comprising the ste	eps of:
3	(a)	
4		least one component selected from the group consisting of: (i)

	•	
5	•	polypeptides according to claim 19; (ii) polynucleotides according to
6	ı	claim 18; and (iii) antigen presenting cells that express a polypeptide
7		of claim 19, such that T cell proliferate;
8	(b)	administering to the patient an effective amount of the proliferated T
9		cells,
10	and thereby inhibiting	g the development of a cancer in the patient.